

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of the claims in the application:

### **Listing Of Claims:**

27. (Previously Presented) A container for storing and admixing medical solutions comprising:
- a first chamber containing lipids;
  - a second chamber;
  - a peelable seal separating the first chamber from the second chamber; and
- wherein the lipids have a concentration of a semi-volatile compound of less than 0.011 µg/ml after the container has been autoclaved and then stands 48 hours at ambient temperature.
28. (Previously Presented) The container of claim 27 wherein the semi-volatile compound is selected from the group of 2,6-di-t-butyl-4-methyl-phenol; 2,6-di-t-butyl-4-ethylphenol; and 25-crown-5 ether.
29. (Previously presented) The container of claim 28 wherein the concentration of 2,6-di-t-butyl-4-methyl-phenol is less than 0.050µg/ml.
30. (Previously presented) The container of claim 28 wherein the concentration of 25-crown-5 ether is less than 0.010µg/ml.
31. (Previously presented) The container of claim 27 wherein the container is constructed from a flexible plastic material.
32. (Previously presented) The container of claim 31 wherein the flexible plastic material does not contain polyvinyl chloride.
33. (Previously presented) The container of claim 31 wherein the flexible plastic material is a multilayer film.
34. (Previously presented) The container of claim 33 wherein the multilayer film comprises four layers.

35. (Previously presented) The container of claim 27 wherein the container has been autoclaved at 121°C.
36. (Previously presented) The container of claim 27 wherein the peelable seal is formed by heat sealing.
37. (Previously presented) The container of claim 36 wherein the heat sealing is radio frequency welding.
38. (Previously presented) The container of claim 27 wherein the first chamber and second chamber are defined by a body.
39. (Previously presented) The container of claim 38 wherein the peelable seal is formed by applying a die to the body.
40. (Previously presented) The container of claim 39 wherein the die comprises a seal bar.
41. (Previously presented) The container of claim 40 wherein the seal bar has radiused corners.
42. (Previously presented) The container of claim 40 wherein the seal bar has grooves.
43. (Previously presented) The container of claim 27 wherein the peelable seal separates the first chamber from the second chamber for the length of the container.
44. (Previously presented) A container for storing and admixing medical solutions comprising:  
a first chamber containing lipids;  
a second chamber;  
a peelable seal separating the first chamber from the second chamber; and  
wherein the lipids have a concentration of 2,6-di-t-butyl-4-methylphenol of less than 0.050 µg/ml after the container has been autoclaved and then stands for 48 hours at ambient temperature.
45. (Previously presented) The container of claim 44 wherein the container has been autoclaved at 121°C.

46. (Previously presented) A container for storing and admixing medical solutions comprising:  
a first chamber containing lipids;  
a second chamber;  
a peelable seal separating the first chamber from the second chamber; and  
wherein the lipids have a concentration of 2,6-di-t-butyl-4-ethylphenol of less than 0.011µg/ml after the container has been autoclaved and then stands for 48 hours at ambient temperature.

47. (Previously presented) The container of claim 46 wherein the container has been autoclaved at 121°C.

48. (Previously presented) A container for storing and admixing medical solutions comprising:  
a first chamber containing lipids;  
a second chamber;  
a peelable seal separating the first chamber from the second chamber; and  
wherein the lipids have a concentration of 25-crown-5 ether of less than 0.010µg/ml after the container has been autoclaved and then stands for 48 hours at ambient temperature.

49. (Previously presented) The container of claim 48 wherein the container has been autoclaved at 121°C.

50. (Previously presented) A container for storing and admixing medical solutions comprising:  
a first chamber containing lipids;  
a second chamber;  
a peelable seal separating the first chamber from the second chamber; and  
wherein the lipids have a concentration of aluminum of less than 0.023 µg/ml after the container has been autoclaved and then stands for 48 hours at ambient temperature.

51. (Previously presented) The container of claim 50 wherein the container has been autoclaved at 121°C.

52. (Previously presented) A container for storing and admixing medical solutions comprising:  
a first chamber containing lipids;  
a second chamber;

a peelable seal separating the first chamber from the second chamber; and  
wherein the lipids have a concentration of oligomeric propylene of less than 5.6 µg/ml after the container has been autoclaved and then stands for 48 hours at ambient temperature.

53. (Previously presented) The container of claim 52 wherein the container has been autoclaved at 121°C.

54. (Previously presented) A container for storing and admixing medical solutions comprising:

a first chamber containing lipids;

a second chamber;

a peelable seal separating the first chamber from the second chamber; and

wherein the lipids have a concentration of oligomeric ethylene vinyl acetate of less than 5.6 µg/ml after the container has been autoclaved and then stands for 48 hours at ambient temperature.

55. (Previously presented) The container of claim 54 wherein the container has been autoclaved at 121°C.